A

5 May 1955

MEMORANDUM FOR THE FILES

SUBJECT: Telephone Conversations with Dr. Roderic Scott

I called Dr. Scott on 2 May and discussed with him the Perkin-Elmer quotation dated 28 April 1955. I pointed out for him I could not understand the great increase in costs reflected by this quotation over the earlier quotations received from Perkin-Elmer and particularly pointed out that the cost of the computers, the periscopes and the charting cameras appeared to be out of line; that too high o profit was attached to purchase of materials; and that we would not understand an item covering the cost of project integration services in view of the G&A and profit allowances claimed by Perkin-Elmer on the Hycon subcontract. I detailed for Dr. Scott each of the items I questioned and asked that he review the situation and advise us at the earliest possible date so that we could either conclude our negotiations in a firm contract or seek accomplishment of the project requirements in other ways. Scott professed ignorance on some of the items mentioned. Ho offerred an explanation of a few of the costs which could now be based on prices quoted by priorities of materials but he promised to recommine the entire quotation and call me on 3 May 1955.

At 10:15 p.m. on 3 May Dr. Scott contacted the Watch Officer and asked him to have me call him at home in Stamford. This I did. Dr. Scott informed me at this time that after reemamination of the catire proposal he had come to the conclusion that the proposal was seriously in error. He requested that we return bills submitted by Perkin-Elmer which were apparently based upon this proposal and asked if I thought that a total cost of \$5.44 million was approaching the figure we had in mind for the photographic equipment involved. I told Dr. Scott that this was far better than the original quotation and was approaching the target we contemplated. I stated to him, however, that we were sending a letter in which we pointed out that for reasons unknown to us, Perkin-Elmer had increased their prices to such an extent that we considered splitting the contracts and administering each ourselves and, furthermore, that which the uncertainty created by the latest quotation, we thought a fully redeterminable type contract in which the fee was fixed upon completion of performance appeared warranted. Dr. Scott stated that he had calculated all of the costs involved in the Perkin-Elmer side of the contract and was firmly convinced that the 28 April quotation was seriously in error. He added, however, that he had not yet had an opportunity to discuss these errors with P-E management. He stated he would attempt to accomplish this at the earliest possible moment and would inform us of the results of his efforts.

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25X1

25X1

SPO NO.	ITEM NO.	DESCRIPTION	UNIT SELLING PRICE	ITEM SELLING PRICE
24033	1	Purchase of services, engineering and test facilities for the purpose of investigating the strength of glass prior to the purchasing of material, tooling and fabrication of the windows as described in Items 2 thru 10		\$4,200.
		Delivery - April 1, 1955		•
	2	Purchase of BSC glass and tooling for the manufacture of 169 windows outlined in items 3 thru 10		68,821.
		Delivery - May 30, 1955		
	3	Fabricate 66 windows 7.30" x 8.84" for use with Configurations Al and A2	136.33	8,998.
٤		Delivery - 4 6/1/55 12 10/1/55 2 7/1/55 12 11/1/55 6 8/1/55 12 12/1/55 12 9/1/55 6 1/1/56		
	4	Fabricate 33 windows 8.02" x 8.70" for use with Configurations Al and A2	136.84	4,519.
		Delivery - 2 6/1/55 6 10/1/55 1 7/1/55 6 11/1/55 3 8/1/55 6 12/1/55 6 9/1/55 3 1/1/56		
	5	Fabricate 7 windows $6.00^{\circ}$ x $6.60^{\circ}$ for use with Configuration B	139.60	977•
, 		Delivery - 1 8/15/55		
	6	Fabricate 14 windows 7.40" in diameter for use with Configuration B	139•60	1,954.
		Delivery - 2 8/15/55 2 12/1/55 2 10/1/55 2 1/1/56 2 11/1/55 4 2/1/56		
	7	Fabricate 11, windows $7.90^{\circ}$ in diameter for use with Configuration B	139.60	1,954.
		Delivery - 2 8/15/55 2 12/1/55 2 10/1/55 2 1/1/56 2 11/1/55 4 2/1/56		25X1

Approved For Release 2009/07/22 : CIA-RDP89B00708R000500030008-4

SPO	ITEM	Approved For Release 2009/07/22 : CIA-RDP89B00708R0	UNIT SELLING	ITEM SELLING PRICE
NO.	NO.	DEXCRIPT ION	PRICE	TILLOD
24033	8	Fabricate 11 windows 8.68" x 9.00" for use with Configuration B	139.60	\$1,954.
		Delivery - 2 8/15/55 2 12/1/55 2 10/1/55 2 1/1/56 2 11/1/55 4 2/1/56		
	9 Fab	oricate 14 windows 30" in diameter x 1" thick for with Configuration C	1,129.00	15,807.
		Delivery - To be determined		
	10	Fabricate 7 windows 30" in diameter $x$ 1" thick for use with Configuration C	1,027.00	7,197.
		Delivery - To be determined		
́ 2ц136	1	Provide engineering services to develop a pre- liminary design layout of a Data Recording Camera described on Projector Division Technical Speci- fication #2, 1/19/55 and Amendment #1 4/4/55	a.	山,296,
		Delivery - April 30, 1955		
	2	Provide engineering services to develop an advan- design layout of a Data Recording Camera	ced	40,499.
		Delivery - May 30, 1955		
	3	Fabricate, test and delivery a prototype Data Re Camera designed & developed under Items 1 & 2	cording	34,804.
. * *		Delivery - June 30, 1955		
	4	Assembly and necessary rework of first production unit of a Data Recording Camera	n	34,804.
		Delivery - July 30, 1955		
	5	Test, evaluate and delivery of the first product unit of a Data Recording Camera	cion	12,656.
		Delivery - August 30, 1955		
	6	Provide a complete set of engineering drawings a manufacture of a Data Recording Camera	for the	6,328.
		Delivery - September 30, 1955		

,		Approved For Release 2009/07/22 : CIA-RDP89B00708R00	UNIT	ITEM
SPO NO.	UNIT NO.	DESCRIPTION	SELLING PRICE	SELLING PRICE
24136 (cont)	7	Fabricate, test and deliver 19 Data Recording Cameras similar to prototype developed under Item 3 but modified as indicated by the results of the prototype tests	11,718.36	222,649.
		Delivery - 1 9/15/55		
	8	Provide spare parts, service and operating instructions in 4 kits, each kit containing sufficient spare parts for 5 Data Recording Cameras	1,740.23	6,961.
		Delivery - 1 8/30/55 1 2/3/56 1 1/6/56 1 3/9/56		
<b>24211</b>	1	Provide engineering services to design and development and image evaluation device as described in Peco Engineering Report #361	<b>p</b>	14,555.
		Delivery - April 15, 1955		
	2	Provide a technical report describing the operati and performance of the image evaluation device de veloped under Item 1	on -	1,898.
		Delivery - May 1, 1955		
24257	1	Purchase the consulting services of Dr. J.G.Baker systems engineering required for the successful program at the rate of \$30. per highly expenses	er-	43,500.
		Delivery - To be billed monthly		
	2	Purchase of the services of the Spica Corp. to protect the optical design of the equipment required for satisfactory performance of this program. This design will include specifications of glass types face curves, thickness & separation of elements, pected performance, resolutions & curvatures of in	the optical s, sur- ex-	16,000.
		Delivery - April 30, 1955 July 30, 1955		
24293	1	Provide the necessary engineering services to desand develop a 36" f/10 lens as described in Projection Technical Specification #4 2/10/55	sign ector	6,744،
		Delivery July 1, 1955		

SPO NO.	ITEM NO.	DESCRIPTION	UNIT SELLING PRICE	ITEM SELLING PRICE
24293 (cont)	2	Fabricate, test and deliver a prototype of the #6" f/10 lens designed under Item 1		10,166.
		Delivery - July 1, 1955		
	3	Purchase the necessary material & tooling, both optical & mechanical, required for the fabrication of 6 36" f/10 lenses		47,102.
		Delivery June 1, 1955		
	14	Fabricate, test & deliver 6 36" f/10 lenses similar to the prototype built under Item 1 but modified if necessary as indicated by the results of the prototype tests	1,291.	7,749.
1		Delivery - 1 October 6, 1955  Balance at rate of 1 per month starting November 1, 1955		
	5	Furnish engineering technical report of the performance of the prototype lens		528 <b>.</b>
		Delivery June 15, 1955		
24372	1	Provide necessary engineering services to design & develop a scanning periscope as described in Project Division Tech. Spec. #6 2/18/55	tor	<u> հ</u> վա, 119.
		Delivery - July 1, 1955		
4	2	Fabricate, test and delivery prototype of the scanniperiscope designed under Item 1	ing	29,515.
·		Delivery - August 1, 1955		
	3	Fabricate, test and delivery 20 scanning periscopes similar to the prototype built under Item 2 but modified as indicated by results of prototype tests	12,918.80	258,376.
		Delivery - 2 9/15/55 2 11/1/55 1 10/1/55 Balance of 15 at rate of 2/mo. starting 12/1/55		,
	4	Spare parts to be provided in 4 kits, each kit containing parts for 5 periscopes including a set of special tools, gauges, etc.		22,781.
	,	Delivery - 1 9/15/55		

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SPO	ITEM		SELLING	SELLING
NO.	NO.	DESCRIPTION	PRICE	PRICE
24390	1	Provide engineering services to design and develop a mechanical computor as described in Projector Division Tech. Spec. #7 4/20/55		131,584.
		Delivery - August 1, 1955		
	2	Fabricate, test & deliver one prototype and five computors designed under Item 1		127,687.
	•	Delivery - Prototype August 1, 1955 1 1/1/56 1 3/1/56 1 2/1/56 2 4/1/56		
<i>A</i>	3	Provide 5 kits of spare parts, service & operating instructions. Each kit to contain spare parts for 1 complete computor and special tools & gauges as required plus a small complement of standard tools.		17,718.
		Delivery - One kit with each computor		
214108	1	Provide engineering services to test 85 24" f/6 lenses and select 50, and prepare a technical report on the performance of those selected in accordance with Projector Division Tech Spec. #5 2/21/55		31,134.
		Delivery June 1, 1955		
	2	Provide necessary services to disassemble, rework the optical elements and reassemble the 50 selected lenses, test & calibrate the selected lenses		19,958.
		Delivery - 6 8/1/55 10 10/1/55 8 9/1/55 10 per month to a total of 50		
	3	Provide necessary services to test, select and rework the required number of red & yellow filters for the 50 selected lenses		5,505.
		Delivery - With lenses		
5/1/15/1	1	Provide necessary engineering services to design & develop a 24" f/8 lens, per Projector Division Technical Spec. #8 2/23/55.		6,200.
		Delivery - July 1k 1955		
	2	Fabricate, test & deliver prototype of 24 f/8 designed under Item 1		9,078.
		Delivery - September 1, 1955		
	5	Class & Taglias		115/82.

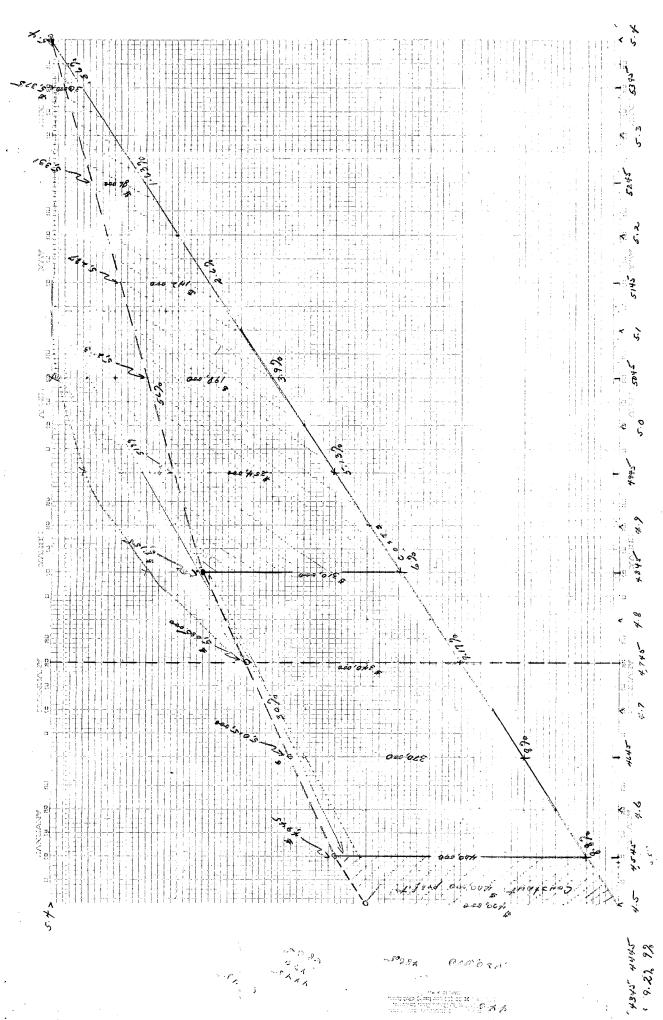
SPO	ITEM	Approved For Nelease 2009/07/22 TOIA-NDF09B00700N000	UNIT SELLING	ITEM SELLING
NO.	NO.	DESCRIPTION	PRICE	PRICE
2ોમે2ો (cont)	4	Fabricate, test & deliver 51 lenses in test barrels and 3 less the test barrels & cells similar to prototype built under Item 2 but modified, if necessary, as indicated by results of prototype tests		48 <b>,</b> 536 <b>.</b>
		Delivery - 11 8/15/55  Balance to be delivered at rate of 11/mo starting September, 1955		
	5	Furnish engineering technical report describing performance of prototype lens		528•
		Delivery - July 22, 1955		
51414146	1	Purchase required material and tooling, both optical & mechanical, for fabrication of 31 fused quartz mirrors and their mounts		27,785.
		Delivery - July 1, 1955		
	. 2	Provide engineering service to study & design the required mirrors & mounts		23,293.
		Delivery - July 1, 1955		
	3	Fabricate & deliver 6 19" 0.D., 6 17" 0.D., 7 18.5" 0.D., 6 6" 0.D., and 6 8" 0.D. fused quartz mirrors and mounts		67,137.
<i>]</i> : 、		Delivery - 1 each of all mirrors & Mounts 8-15-55, 10/15/55, 11/15/55, 12/15/55, 1/15/56, 2/15/56.		
23970	1	Provide project coordination services covering all aspects of work involved so as to insure satisfact performance of the contract	ory	120,232.
		To be billed monthly		·
( )	1	Optics & mounts for Configuration C*	•	180,000.*
( )	1	Design & fabrication of required test equipment*	<b>.</b>	100,000.*
24264	1	Preliminary systems planning & engineering from 12-1-54 to 1-31-55 by Hycon Mfg. Co.		25,763.
24329	1	Hycon - Reference their proposals of March 4, 8, 8 25, 1955. Provide for required systems engineers on all phases of the program	ing	72,338.
	2	Provide engineering & manufacturing facilities to design & produce first unit of Configuration A-1		154,897.
		Delivery - July 31, 1955		

SPO NO.	ITEM NO.	DESCRIPTION	UNIT SELLING PRICE	ITEM SELLING PRICE
24329 (cont)	3	Fabricate, test & deliver 8 additional units of Configuration A-1		351,407.
		Delivery - 1 10-1-55		
	4	Provide engineering & manufacturing facilities to design & produce the first unit of Configuration A-2		կ1,6կ1.
		Delivery - 9-1-55		
•	5	Fabricate, test & deliver 8 additional units of Configuration A-2 - Delivery Same as Item 3.		254,505.
γ •_	6	Provide spare parts for Configuration A-1 & A-2 in accordance with Hycon Mfg. Co. proposal 3-4-55.		230,238.
		Delivery - With delivery of each configuration.		
	7	Provide engineering services to design & develop the required equipment for Configuration B		113,591.
		Delivery - July 30, 1955		
	. 8	Fabricate, test & deliver first unit of Configurati B developed under Item 7	.on	111,515.
		Delivery - October 1, 1955		
	9	Fabricate, test & deliver 4 additional units of Configuration B		بلا2,0بلا
		Delivery - 1 1/1/56		
	10	Provide spare parts for Configuration B in accordance with Hycon Mfg. Co. proposal 3-4-55.	ce	238,558.
		Delivery - with delivery of each configuration		
	11	Provide engineering services to design & develop the required equipment for Configuration C *	<b>le</b>	173,040.*
		Delivery - July 30, 1955		
	12	Fabricate, test & deliver the first unit of Configuration C developed under Item 11. *	l <b>-</b>	173,251.*
		Delivery - January 15, 1956.		

	Approved For Release	2009/07/22 : CIA	\-RDP89B00708R000500030008-4	ļ
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SPO NO.	ITEM NO.	DESCRIPTION	UNIT SELLING PRICE	ITEM SELLING PRICE
24329 (cont)	13	Fabricate, test & deliver 4 additional units of Configuration C*		690,226.*
		Delivery - 1 4/1/45 1 6/1/56 1 5/1/56 1 7/1/56		
	14	Provide spare parts for Configuration C in accordance with proposal of Hycon Mfg. Co. 3-4-55.*		219,286.*
		Delivery - with delivery of each configuration		
	15	Provide 3 sets of ground handling equipment in accordance with Hycon Mfg. Co. proposal 3-4-55. *		576,407.*
ŕ		Delivery - 1 set October 1, 1955 1 set January 1, 1956 1 set March 1, 1956		
	16	Provide 5 sets of Technical data & instruction manuals of good commercial quality in accordance with Hycon Mfg. Co. proposal 3-4-55.	·	60,268.

<sup>\*</sup> To be negotiated



## Summary Cost Proposal International Survey Corp.

	Work done at Hycon	Work done at Peco	Total
Purchased material and subcontract work Labor & Overhead	\$3,631,169.00	\$ 701,282.00 921,644.50	\$4,332,451.00 921,644.50
Total Prime Costs	\$3,631,169.00	\$1,622,926.50 (41,319,802.00)	\$5,254,095.50
General & Administrative & Selling Exp. @ 13% General & Administrative		210,970.50 (171,574.00)	210,970.50
Expense @ 3%	108,936,00	(*1, 491, 374.00)	108,936.00
Total Costs Target **	\$3,740,105.00	\$1,833,897.00	\$5,574,002.00
Profit @ 12%	, ,	220,071.00	220,071.00
Profit @ 5%	187,040.00	(178,965.00)	187,040.00
Total Price	\$3,927,145.00	\$2,053,968,00 (*1,670,341.00)	\$5,981,113.00
	· `•	#383,627-	,

\* Cost proposal received from Hycon is as follows:

Direct costs, labor material & overhead General & Admin. Exp. @ 8%	\$3,084,581.00 246,766.00
Total Cost Profit @ 9%	\$3,331,347.00 299,822.00
Price to Peco	\$3,631,169.00

An incentive clause will be incorporated in Peco subcontract to Hycon permitting Hycon to retain 20% of all savings from the target cost of \$3,331,347, subject to redefinition and re-estimating on certain items.

\*\* Customer will incorporate in Peco prime contract an incentive clause permitting Peco to retain 20% of all savings against target cost of \$1,833,997 on work done at Peco and 15% of all savings against a target cost of \$3,740,105 on work done at Hycon.

•				1.1.	
1 (2)	033) windows		,		
Urc tem	Description		Price		
1	Class strength Investigation		€ 1,200		1
23456 23456	Purchases of glass A-Life Control &		12,500	(act)	)
* 3	99 windows (Configuration A) 55 windows (Configuration B)		11,000	(est)	
* #	21 windows (Configuration C)		10,500	(est)	
. 6	Supervision of installation		500	(42-4)	
J	228	113,381	<b>83,700</b>		
Order 2 (2)	136) Charting Cameras Design, Engr. and lst prototype		\$103,000		
2-21	20 sameras @\$12,500		250,000 353,000	2131 61	, ,
		4 4 6 6	\$353,000	373,51	`
	•	402,899	1.30 1.059		
Order 3 (2)	211) Lens Test Device				
1	Design and construction		\$16,500		
2	Report of Performance	. 4	4.500		
		16, 130	4,500		
Order h (2)	1293) 36" f/10 for B				
Alegania (Cardista to Ballin Artification in the constitution)	Design		<b>10,000</b>	(est)	
2	Prototype		5,000	(est)	
1 2 3 4	5 Lenses		25,000	(est)	١.
4	Report	5.0	n/c	(est) (///)	, 50
		72,289	*#O''	(agr) ://	
Order 5 (2)	372) Periscopes				
1	Design & 4/3°		(1 <sup>1</sup> ,000	(est)	
5	LLOCOTA DE		35,000	(987)	
3	Construct 20 % \$16,000	n 444 m 0 4	320,000	(aut.)	
		384,791	Cart Cart	tonot.	
Order 6 (2)	(390) Computer		110 000	/n=+3	
Ţ	Design		10,000	(est)	
2 3	Prototype Construct 6 ⊕ \$3,000		18,000	(est)	
<b>.</b>	Construct C & 45,500	276, 888	18,000 38,000	(est)	
		£ 16, 10 %			
Order 7 (2)	408) Rework 24" 1/6.3 lens		_ S,500	(004)	
1	Test 85 lenses 3/100		12,000	(est)	
2 3	Rework lenses (40) 2300 Rework filters (80) 2100		S.000	(est)	
>	MANOTE TITIOTS (193) 185700	36, 899	27,500	581	100
		es (og O Y E	<b>3</b>		
	1211) New 211" f/8 lens		\$ 3,000	(pet.)	
i.	Design Construct Prototure		5,000	(est)	
1 2 3	Construct Prototype Froduce 50 lenses <b>%\$2,</b> 000			7 4 1	
.3	* * Arriva NA Tormon admiton	188 000	108,000	(est)	
			y en e	. ,	

Order 9 (24446) Large Mirrors Quotes not received Order for Material Memifacture of mirrors (60) 2 Order 10 (No number yet) Optics & mounts for C ( 20,000 (est) Design of mounts 10,000 (est)
120,000 (est)
(5) 180,000 (est) Manufacture of prototype 2 Maraifacture of 6 units \$ \$20,000 3 Order 11 (24257) 59,500 \$60,000 (est) 1933, 236 1, 0, 14; 204 1933, 236 1, 0, 14; 204 No estimate yet Optical test equipment Order 12 (No number yet) Prof Cond. Some

## Rework of Hycon quote - 3-8-55 - RMS (3 seros omitted) \*

Order 1 Preliminary Systems Planning December 1 to Jan. 31, 1955						26, 000	
Order 2 Systems Engineering through flight test of first article including travel						70, 000	
Order 3 -	- Configuration A		*		#		
	Modification of Existing Equipment	Qty Req.	lst <u>Art</u>	* Prod.	Prod Lot	Total	
1.2.1.1	K=38 Camera bodies and lens covers	36+4	15,	3,6	11,0	155	- 27000
1.2.2.1	Spare shutters	100		,250		25	
1.2.1.2	6" lens & shutter spare shutters	27 (74) 81	15,	3 ,200		93 <b>16</b>	
1.2.3.1	A&B Magazine for K38 A&B Magazine for K170	72 : 5),	8,6 11,5 40	.875 1,250		70	9720
1.2.4.1	Indexing mt for Al K3	8 9	40	15		160	
1.2.4.3	Fixed mt. for A2,		**			76	
* 6 ) 8	3-X38	9	12.	8. 4		60	
1.2.4.7	Fixed mt. for Al, 3-K17C	9	13	1,2.	,·	23	•
1.2.5.1	Programmer	18+2	20	3 /	,	77	• •
1.2.7	Assembly & system		20	7.5		RO	
•	Test A-1 Test A-2	9 9	22 10	7.0		82 66 93	·
1.2.7.1	Shipping containers	18	ii	1.8 1		93	5
1.3.7	Spare spools					<b>5</b> .	30
-	320-6 <sup>H</sup> )					? .v.	
	l;OC-2l;")					1020	0
Ttem 1 First A-1 2-9 8 additional A-1 4 \$48,750.						164,600 390,400	4 4 4
Item 10 First A-2 (after first A-1) 11-18 8 additional A-2 @ \$36,300.					13,200 √ 289,900		
Item 19 Spares						131,900 1,020,000	
Item 20	21; 1/8					1,176,600	
Hycon recommendation of additional spares						138,500 1,315,100	

Order 4
Configuration B
Item 1 lst B
2-3-4-5 B's \$ \$106,300.
6 spares

1217,800 1425,100 169,000 1611,900

Order 5
Configuration C
Item 1 lst C
2-3-4-5 C's @ \$172,250
6-spares

\$339,100 688,900 235,800 \$1,263,800

Order 6
Ground Handling Equipment
Item 1 1st set with 3 advanced base sets
2-3 Sets with 3 advance 8 sets 9 153,900

39,000

da 3, 8

\$201,300 \$27,800 \$12,100

23,000

Order 7
Technical Data & Instruction Manuals

74,000

Hycon Total

100

\$4,072,900

5 53. 100